UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.		M4065.1025/P1025						
First Inventor		Sanh D. Tang						
Title	VERTICAL WRAP-AROUD-GATE FIELD-EFFECT- TRANSISTOR FOR HIGH DENSITY, LOW VOLTAGE LOGIC AND MEMORY ARRAY							
	TRANSISTO	R FOR HIGH DENSITY, LOW						
	VOLTAGE LO	OGIC AND MEMORY ARRAY						

(Only for new nonprovisional applications under 57 CFN 1.35(b))	Express	s Mail Label No.							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application cor	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450								
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 31 (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 3 5. Oath or Declaration [Total Sheets 3 4. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	6] J	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. X Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) X Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure Statement (IDS)/PTO-1449 X Copies of IDS Statement (IDS)/PTO-1449 X Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.							
6. Application Data Sheet. See 37 CFR 1.76	1	17. Other:							
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
19. CORRESPONDENCE ADDRESS									
X Customer Number: 24998		OR Correspondence address below							
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Thomas J. D'Amico									
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Country · US Tele	ephone ((202) 785-9700 Fax (202) 887-0689							
Name (Print/Type) Thomas J. D'Amigo	7	Registration No. (Attorney/Agent) 28,371							
Signature		Date February 13, 2004							

1728023 v1; 111CN01!.DOC

PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

		Complete if Known						
FEE TRANSMITTAL		Application Number				N/A		
for FY 2004		Filing Date				February 10, 2004		
		First Named Inventor			ntor	Eric R. Fossum		
Effective 10/01/2003, Patent fees are subject to annual revision.	Prior Examiner Name			iner Na	me	T. V. Ho		
Applicant claims small entity status. See 37 CFR 1.27		Prior Art Unit 2612			2612			
TOTAL AMOUNT OF PAYMENT (\$) 1,054.00		Attorney Docket No. M4065.0774/P774-A					•	
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
Check X Credit Money Order Other None	3. ADDITIONAL FEES							
X Deposit Account:								
Deposit		Large Entity Small Entity						
Account Number 04-1073	Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Description	Fee Paid	
Deposit Dickstein Shapiro Morin &	1051	130	2051	65	Surcharge	e – late filing fee or oath		
Name Oshinsky LLP	1052	50	2052	25		- late provisional filing fee or cover		
The Director is authorized to: (check all that apply)			:		sheet.			
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-Engli	sh specification		
Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	•	request for ex parte reexamination		
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requestin Examiner	g publication of SIR prior to action		
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requestin Examiner	g publication of SIR after		
FEE CALCULATION	1251	110	2251	55		for reply within first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension	for reply within second month		
Large Entity Small Entity Fee Fee Fee Fee Paid	1253	950	2253	475	Extension	for reply within third month		
Fee Fee	1254	1,480	2254	740	Extension	for reply within fourth month		
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension	for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of A	···		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a bri	ef in support of an appeal		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for	or oral hearing		
1005 160 2005 80 Provisional filing fee	1451	1,510	1451			institute a public use proceeding		
SUBTOTAL (1) (\$) 770.00	1452 1453	110 1,330	2452 2453	55 665		revive – unavoidable revive - unintentional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501			e fee (or reissue)		
Extra Fee from	1502	480	2502	240	Design iss	•		
Claims below Fee Paid	1503	640	2503	320	Plant issue			
Independent 4 3** - 1 V - 86.00	1460	130	1460	130		o the Commissioner		
Claims	1807	50	1807	50	Processing	g fee under 37 CFR 1.17(q)		
Large Entity Small Entity	1806	180	1806	180	Submissio	on of Information Disclosure Stmt		
Fee Fee Fee Code (\$) Code (\$) Fee Description	8021	40	8021	40		each patent assignment per times number of properties)		
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385		bmission after final rejection		
1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	•	additional invention to be		
1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 ** Reissue independent claims		- 1				(37CFR 1.129(b))		
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	•	or Continued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	of a design application							
	Other fee (specify)							
SUBTOTAL (2) (\$) 284.00 **or number previously paid, if greater; For Reissues, see above	Redu	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00						
SUBMITTED BY (Complete (if applicable))								
		gistration No. orney/Agent) 28,371 Telephone (202) 828-2232						
Signature	- 1110///	<i>prigent</i> /				Date February 10, 20	04	

Docket No.: M4065.0774/P774 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Eric R. Fossum

Application No.: 09/028,961

Allowed: October 22, 2003

Filed: February 23, 1998

Art Unit: 2612

For: INTERPOLATOR FOR A CMOS IMAGE

SENSOR USING A DIGITAL REGISTER

(AS AMENDED)

Examiner: T. Ho

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Submitted herewith is one set (six sheets) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the informal drawings submitted with the originally filed application.

Dated: December 30, 2003

Respectfully submitted,

Thomas J. D'Amico

Registration No.: 28,371

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